DZHAGATSPANYAN, R.V.; ZETKIN, V.I.; FOSPELOV, V.Ie.; FEDCHENKO, V.S.

Radiation-induced chemical sulfochlorination of polydimethyl(MIRA 16:2)
siloxane. Plast.massy no.2:16-18 '63. (MIRA 16:2)
(Siloxanes) (Chlorosulfonylation) (Radiation)

Card

HI PERSONAL PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PERSONAL PR

AFFTC/ASB Ps-4/Pc-4/Pr-4 EPR/EMP(j)/EPF(c)/EMT(m)/BDS 8/0191/63/000/005/0004/0007 1. 12964-63 ACCESSION NR: AP3000393 AUTHOR: Dzhagatspanyan, R. V.; Zetkin, V. I.; Pospelov, V. Ye.; Fedchenko, TITLE: Radiochemical sulfochlorination of polystyrene SOURCE: Plasticheskiye massy*, no. 5, 1963, 4-7 TOPIC TAGS: sulfochlorination, polystyrene, chlorine, sulfur dioxide, cobalt sup 60, sulfuryl chlorida ABSTRACT: Improved properties were anticipated from the sulfochlorination of polystyrene, achieved by reacting 1% polystyrene emulsion with chlorine and sulfur dioxide (in molar ratios of 0.22:1 - 4.05:1) dissolved in carbon tetrachloride and subjected to Gamma-radiation from a Co sup 60 source. Over a range of 0 - 55C, the reaction rate increased with increasing temperature to a maximum at 40C. Increasing the total dose of radiation had little effect on the process, which was all but complete within 15-20 minutes. No clear relationship was found between the rate and outcome of the reaction and the molar ratio of the two gases: although the final sulfur content was more dependent than was the chlorine content on the initial ratio, in no case did the final product contain much more than 3% sulfur. Unlike the other polymers, polystyrene could not be sulfochlorinated with sulfuryl chloride. Sulfochlorinated polystyrene had better adhesive qualities (with glass and

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412530011-4"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412530011-4

	R: AP3000393	Company makes a set of the seed of		o (mandulum	amparatus), au)
Impact stre	MAIN SCUIG.	a hardness of cimately 50 kg/s Applied without It was, howeve, and water. Or	admixture to	iron plates,	styrene to the	
tables.				· ·		
ASSOCIATION	: none		*	. **		
SUBMITTED:			E ACQ: 10Jun63 REF SOV: 003		encl: 00 other: 000	
SUB CODE:	MA					
•						
• *	• *				-	

"APPROVED FOR RELEASE: 08/22/2000 CIA-

到了的大学就是的ADDE 12日中国的经验的大学和1964年,最中国的经济工作的工作。

CIA-RDP86-00513R000412530011-4

L 6376-66 EWT(m)/EWP(j) RM ACC NR. AP5026767

SOURCE CODE: UR/0286/65/000/017/0048/0049

AUTHOR: Fedchenko, V. S.; Kutsenko, A. I.

ORG: none

TITLE: A method of producing dyes for plastics. Class 22, No. 174300

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 48-49

TOPIC TAGS: dye chemical, primary aromatic amine, organic azo compound, plastic industry

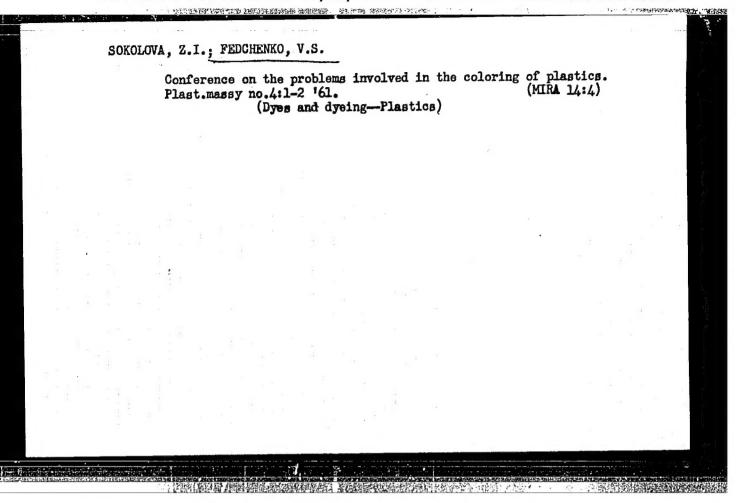
ABSTRACT: This Author's Certificate introduces a method of producing dyes for plastics by combining diazotized aromatic amines with an azo component. Di- and trialkylaryl phosphates are used as azo components to produce dyes with plasticizing properties, simplify the process of adding the dye and improve the dye quality.

UDC: 668.811.1 : 667.621.72

SUB CODE: GC,OC,MT/ SUBM DATE: 02Apr62/ ORIG REF: 000/ OTH REF: 000

 $\int_{\text{Card }1/1}^{\infty}$

070/1926

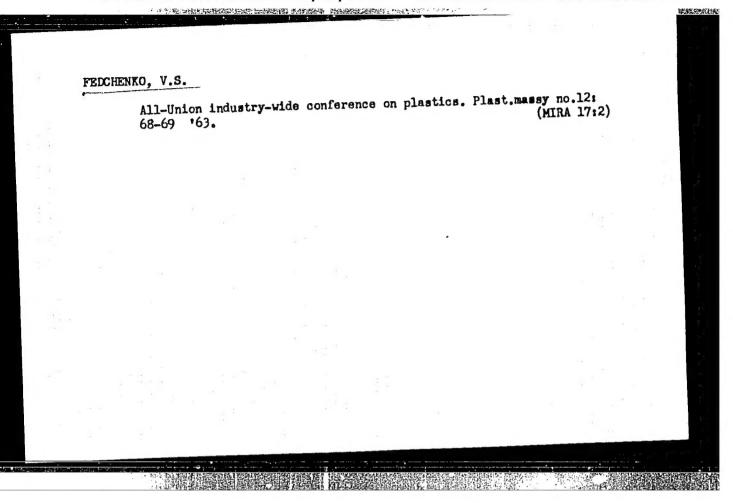


Preparation of structurally colored resins. Plast.massy no.7:41-42 (MIRA 14:7)

(Pyes and dysing-Plastics)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412530011-4"

"APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412530011-4



END REEL 125 FROM: FASTOVA, K.N. To: FEDCHENKO, V.S.